FIG. 1

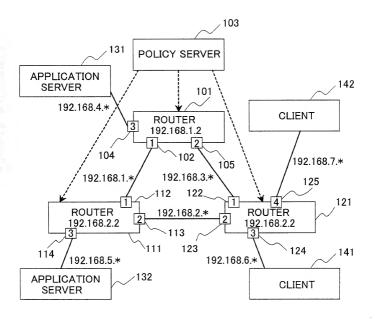


FIG. 2

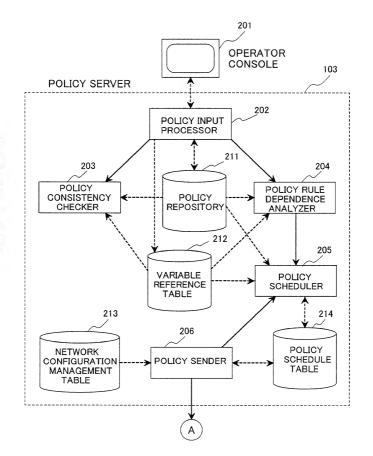


FIG. 3A

		S	CONDITION				ACTION	ALL	TIME
CLASSIFICATION	PROTOCOL	SOURCE IP		DESTINATION IP	DSCP	Ġ.	LABELING	FROM	ТО
	TCP	192.168.4.1	1		1		VIDEOSOURCE	SAT	SUN
300	303	304		305	30€	,,	307	308	309
321 	}	3		}					
RULE TYPE		CON	CONDITION			-	ACTION	Ê	TIME
POLICING	LABEL	RATE UNIT COMMITTED RATE BURST RATE	COMMITT	ED RATE BU	JRST R	II.	LABELING	FROM	10
	VIDEOSOURCE	KBPS		>=1000		1	VIDEOPOLICE	9:00	17:00
-	←	←		_	←		←	←	←
322	323	324	33	325	326		327	328	329
341 ↓									
RULE TYPE	CONDITION			ACTION	z			Î	TIME
GOSACTION	LABEL	DS	SIG	DISCARD			LABELING	FROM	TO
		CP ALG	RATE	TINO	NI Ni Ni	MAX			
	VIDEOSOURCE	EF WRED	300	PACKETS	20	100	VIDEOSHEDL	SAT	SUN
 	<u></u>	+	←	-	+	←	←	+	←
349	343	344 345	346	- 247	- 84	340	350	351	352

FIG. 3B

361											
RULE TYPE	CONDITION				ACTION	z			TIN	TIME	
QOSACTION	LABEL	sa		DISCARD	4RD			LABELING	FROM	T0	
		3	ALG	RATE	ALG RATE UNIT MIN MAX	NIM	MAX				
	VIDEOPOLICE -	1	DROPALL	ı	ı	1	1	1	9:00	17:00	
←	←	←	←	←	←	←	←	←	←	←	
362	363	364	365	366	367	368	369	370	371	372	

381							
RULE TYPE	CONDITION		AC	ACTION		TIV	TIME
QOSACTION	LABEL	RATE UNIT	MIN RATE MAX RATE	MAX RATE	PARENT	FROM	T0
	VIDEOSCHEDL	KBPS	1000	2000	PRIORITYSCHEDL	SAT	SUN
←	←	←	←	←	←	←	←
382	383	384	385	386	387	388	389

FIG. 4A

401 ↓					
RULE ID	RULE TYPE	CONDITION	ACTION		
#1	CLASSIFICATION	→ (A)	1	→	402
#2	POLICING	→ (B)	2	←	403
#3	QOSACTION	1	→ (C)]←	404
#4	QOSACTION	2	→ (D)		405
#5	SCHEDULING	3	→ (E)	→	406
1	1	1	1	_	
411	412	413	414		

FIG. 4B

(A)	\rightarrow	PROTOCOL	TCP	←	421
		SOURCEIPMIN	192.168.4.1	←	422
		SOURCEIPMAX	192.468.4.1	←	423
		SOURCEPORT	NULL	←	424
		DESTINATIONIPMIN	NULL	←	425
		DESTINATIONIPMA	NULL	←	426
		X			
		DESTINATIONPORT	NULL	←	427
		DSCP	NULL	←	428
(B)	\rightarrow	LABEL	1	←	431
		COMMITTEDRATE	1000	←	432
		BURSTRATE	NULL	←	433
(C)	\rightarrow	DSCP	46	←	441
		DISCARDALGORITHM	WRED	←	442
		DISCARDRATE	300	←	443
		THRESHOLDUNIT	PACKETS	←	444
		MINTHRESHOLD	50	←	445
		MAXTHRESHOLD	100	←	446
		LABELING	3	←	447
(D)	\rightarrow	DSCP	255	←	451
		DISCARDALGORITHM	DROPALL	←	452
		DISCARDRATE	NULL	←	453
		THRESHOLDUNIT	NULL	←	454
		MINTHRESHOLD	NULL	←	455
		MAXTHRESHOLD	NULL	←	456
		LABELING	NULL	←	457
(E)	\rightarrow	MINRATE	1000	←	461
		MAXRATE	2000	←	462
		PARENT	PRIORITYSHEDL	←	463

FIG. 5

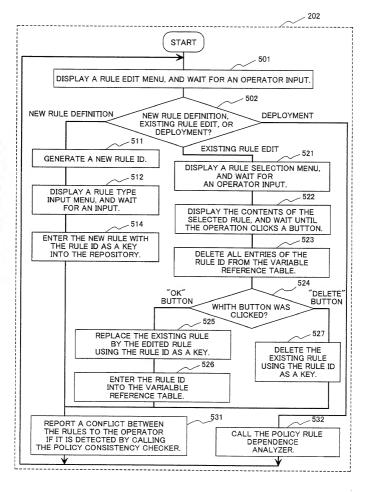
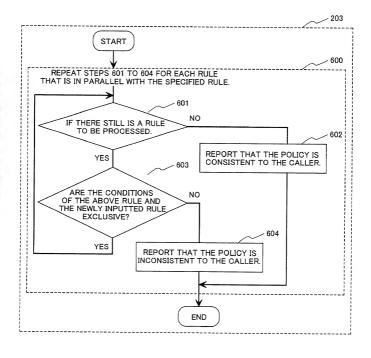
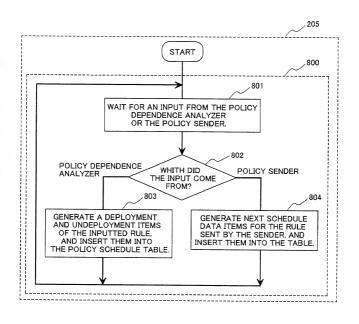


FIG. 6



213 **RULE ID EVENT NEXT TIME** TIME #1 **DEPLOY** 1999-11-27 0:00 SAT 702 #3 **DEPLOY** 1999-11-27 0:00 703 SAT #5 **DEPLOY** 1999-11-27 0:00 SAT 704 #2 **DEPLOY** 1999-11-27 9:00 705 9:00 #4 **DEPLOY** 1999-11-27 9:00 9:00 706 #2 UNDEPLOY 1999-11-27 17:00 707 17:00 ← UNDEPLOY 1999-11-27 17:00 708 17:00 #1 UNDEPLOY 1999-11-29 0:00 SUN 709 #3 UNDEPLOY 1999-11-29 0:00 SUN 710 UNDEPLOY 1999-11-29 0:00 SUN 711 1 1 721 722 723 724

FIG. 8



212

TARGET IP	ROUTER IP	INTERFACE		
192.168.4.*	192.168.1.2	3	←	902
192.168.5.*	192.168.2.2	3	←	903
192.168.6.*	192.168.3.2	3	←	904
192.168.7.*	192.168.3.2	4	←	905
1	1	1		
911	912	913		

FIG. 10

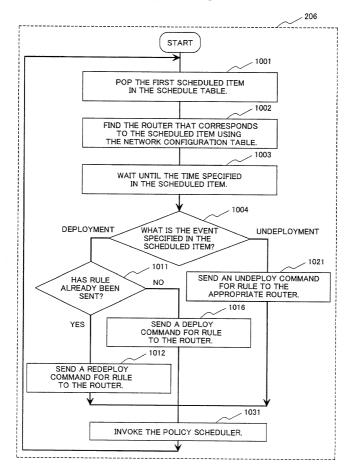
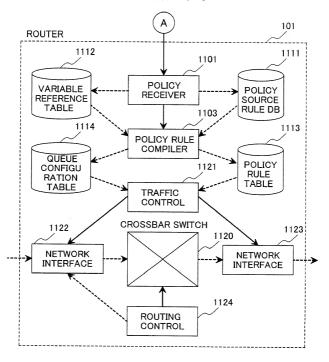
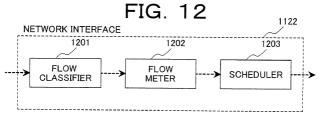


FIG. 11

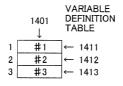




==

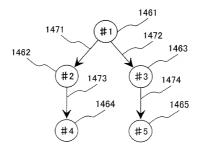
1303 1304 1306 INTERFACE CODEP 1317 8 8 8 90 Ŋ 1316 m m m ACTION (<u>Q</u>) (O)
↑ (<u>E</u> 1314 7 CONDITION ₹ (B) ↑ 1313 2 (2) CLASSIFICATION RULE TYPE SCHEDULING QOSACTION GOSACTION 1312 POLICING #3 #4 #2 #2 #1 RULE ID 1311

FIG. 14A



	1421 ↓	1422 ↓	VARIABLE DEFINITION TABLE
1	#2	#3	← 1431
2	#4	← 1432	_
3	#5	← 1433	

FIG. 14B



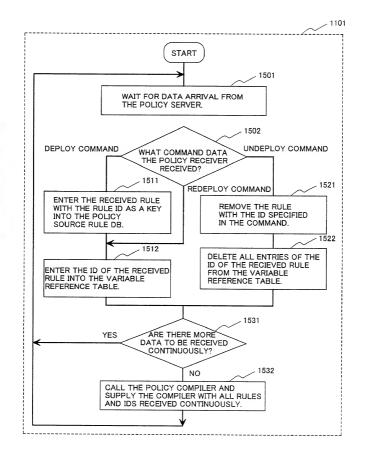
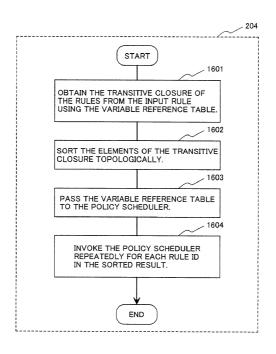
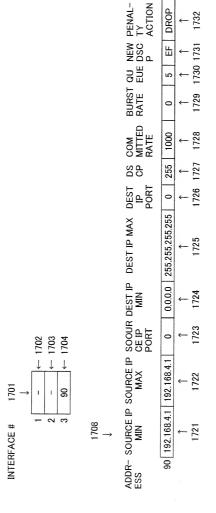


FIG. 16





DROP

H

1732

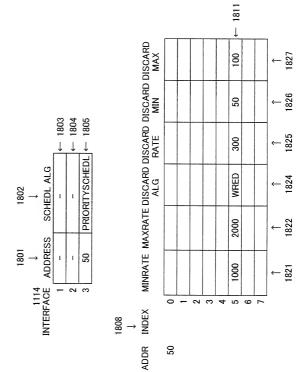
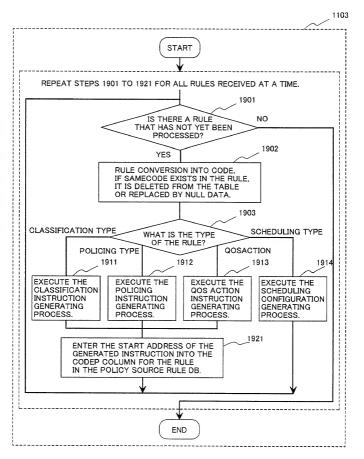
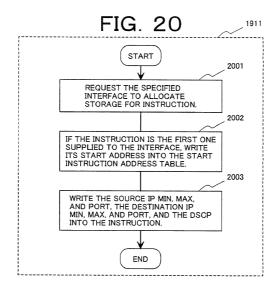
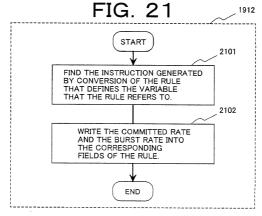
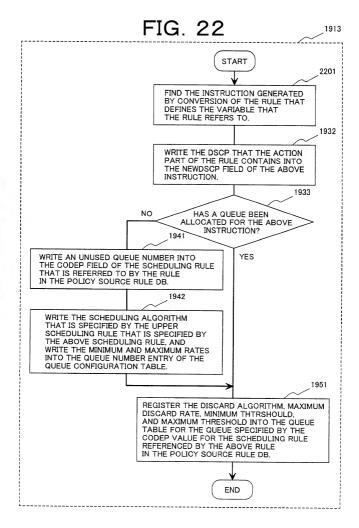


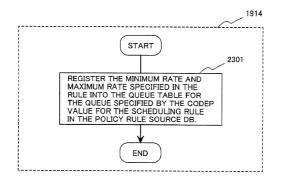
FIG. 19











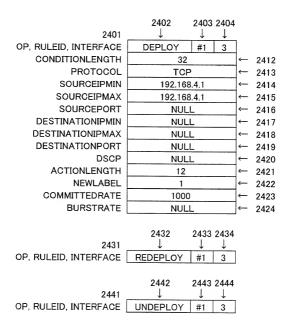


FIG. 25A

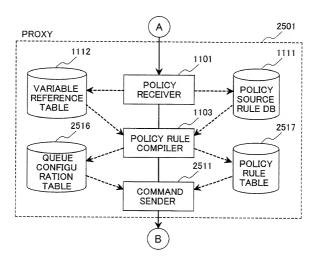


FIG. 25B

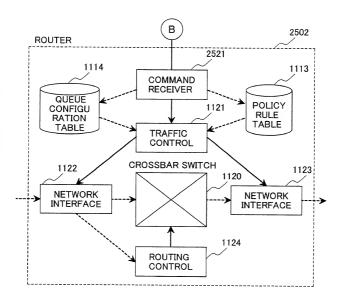


FIG. 26

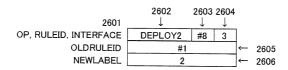


FIG. 27

